

-- 38 --

**ABSTRACT**

The present invention relates to novel enzymes which share certain conserved sequences with EGIII from *Trichoderma reesei*. These EG III like cellulases comprise an amino acid sequence comprising therein an amino acid string selected from the group consisting of:

- (a) Asn-Asn-(Leu/Phe/Lys/Ile)-Trp-Gly
- (b) Glu-(Leu/Phe/Ile)-Met-Ile-Trp
- (c) Gly-Thr-Glu-Pro-Phe-Thr;
- (d) (Ser/Tyr/Cys/Trp/Thr/Asn/Lys/Arg)-(Val/Pro)-(Lys/Ala)-(Ser/Ala)-(Tyr/Phe);
- (e) Lys-Asn-Phe-Phe-Asn-Tyr.